

I claim:

1. An apparatus for dimensional control of formed building blocks, while said building blocks are in a malleable state, comprising:
 - a) a frame having an opening therein;
 - b) a conveyor positioned within said opening and adapted to carry building blocks through said opening; and
 - c) at least one elongated, rotatable horizontal roller mounted to said frame at a desired distance above said conveyor,whereby when said building blocks are carried on said conveyor beneath said horizontal roller, said horizontal roller deforms a height of said building blocks to a dimension equal to the distance between a lowermost edge of said horizontal roller and the surface supporting said building blocks.
2. The apparatus of Claim 1, further comprising a rotary power means operatively coupled to said horizontal roller, for rotating said horizontal roller at a surface rotational speed substantially equal to a linear speed of said building blocks.
3. The apparatus of Claim 2, wherein said rotary power means is an electric motor.
4. The apparatus of Claim 2, further comprising a means for heating an outer surface of said horizontal roller.
5. The apparatus of Claim 2, wherein an outer surface of said horizontal roller comprises a material resistant to adhering to said building block.
6. The apparatus of Claim 3, further comprising a means for heating an outer surface of said horizontal roller.

7. The apparatus of Claim 2, further comprising a carriage supporting said horizontal roller, and a lead screw operatively coupled to said carriage and said horizontal roller for adjusting the position of said horizontal roller with respect to said carriage.

5 8. An apparatus for deforming formed building blocks, while said building blocks are in a malleable state, to yield desired dimensions, comprising:

- 10 a) a frame having an opening therein;
- b) a conveyor positioned within said opening and adapted to carry building blocks through said opening; and
- 15 c) at least one elongated, rotatable horizontal roller mounted on a carriage, said carriage coupled to said frame, and a lead screw operatively coupled to said carriage and said horizontal roller for adjusting the position of said horizontal roller with respect to said carriage, thereby placing said horizontal roller at a desired distance above said conveyor;
- d) a rotary power means operatively coupled to said horizontal roller, for rotating said horizontal roller at a surface rotational speed substantially equal to a linear speed of said building blocks,

20 whereby when said building blocks are carried on said conveyor beneath said horizontal roller, said horizontal roller deforms a height of said building blocks to a dimension equal to the distance between a lowermost edge of said horizontal roller and the surface supporting said building blocks.

9. The apparatus of Claim 8, further comprising a means for heating an outer surface of said horizontal roller.

10. A method of precise dimensional control of formed building blocks, comprising the steps of:

a) providing an apparatus comprising:

i) a frame having an opening therein;

ii) a conveyor positioned within said opening and adapted to carry building blocks through said opening; and

iii) at least one elongated, rotatable horizontal roller mounted to said frame at a desired distance above said conveyor,

whereby when said building blocks are carried on said conveyor beneath said horizontal roller, said horizontal roller deforms a height of said building blocks to a dimension equal to the distance between a lowermost edge of said horizontal roller and the surface supporting said building blocks; and

b) passing one or more building blocks while said building blocks are in a malleable state between said roller and said conveyor surface, whereby a vertical dimension of said building blocks is deformed to a desired dimension.